CLAIM LISTING

<u>In the claims:</u>

1.   (Currently Amended) A method for transmitting a datagram in an apparatus having point-to-point protocol sessions which transmits datagrams received from a physical layer of a communication network to a network layer, the method of comprising the steps of:

at a mobile station (MS), establishing at least two PPP sessions for redundant transmission of datagrams to and from the MS, wherein the PPP sessions operate over separate base transceiver stations;

classifying the datagrams received from a physical layer based on the PPP session and transmitting the datagram to a corresponding PPP session;

processing the datagram received by the PPP in the PPP session; and

selecting one of the processed datagrams and transmitting the selected datagram to the network layer protocol.

2.   (Currently amended) The method as recited in claim 1, wherein the step c of processing the datagram includes the step of decapsulizinging the datagram received from the physical layer.

3.   (Currently amended) The method as recited in claim 2, wherein the step d of selecting one of the processed datagrams includes the steps of :

comparing the decapsulized datagrams; and

deleting the datagram having an error at comparing result.

4.   (Previously presented) A computer readable recording media storing instructions for causing a mobile station (MS) to perform executing a method for transmitting a datagram in an apparatus having point-to-point protocol sessions which transmits datagrams received from a physical layer of communication network to a network layer, the method comprising the steps of:

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S/N: 09/847,569
Filing Date: May 2, 2001

establishing at least two PPP sessions for redundant transmission of datagrams to and from the MS;

classifying the datagrams received from a physical layer of the MS based on the PPP session and transmitting the datagram to a corresponding PPP session in the MS;

processing the datagram received by the PPP in the PPP session; and

selecting one of the processed datagrams and transmitting the selected datagram to the network layer.

5.   (Currently Amended) An mobile station (MS) apparatus for transmitting a datagram, the apparatus having point-to-point protocol (PPP) sessions which transmits datagrams received from a physical layer of communication network to a network layer, comprising:

PPP session means having a plurality of PPP sessions for redundant transmission of datagrams, wherein said plurality of PPP sessions are established during a handoff process;

a first management plane located on an upper layer of the PPP sessions, for selecting a corresponding one of the datagrams received from the PPP sessions and transmitting the selected datagram to the network layer of the MS; and

a second management plane located on an under layer of the PPP sessions, for classifying datagrams received from a physical layer of the MS and transmitting each of the datagrams to the PPP session corresponding to the datagram, respectively.

6.   (Original) The apparatus as recited in claim 5, wherein the PPP session means decapsulizes the datagram received from the second management plane.

7.   (Original) The apparatus as recited in claim 6, wherein the first management plane compares decapsulized datagrams and delete the datagram having an error.

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8.-17. (Cancelled)

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